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Product datasheet for RC221261

CLCN6 (NM_021736) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CLCN6 (NM_021736) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	CLCN6
Synonyms:	CLC-6; KIAA0046
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>RC221261 representing NM_021736
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCGGGGTGCAGGGGGTCTCTGTGCTGCTGCTGCAGGTGGTGCTGCTGCTGCGGTGAGCGTGAGACCC
GCACCCCCGAGGAGCTGACCATCCTTGGAGAAACACAGGAGGAGGAGGATGAGATTCTTCCAAGGAAAGA
CTATGAGAGTTTGGATTATGATCGCTGTATCAATGACCCTTACCTGGAAGTTTTGGAGACCATGGATAAT
AAGAAAGGTCGAAGATATGAGGCGGTGAAGTGGATGGTGGTGTTTGCCATTGGAGTCTGCACTGGCCTGG
TGGGTCTCTTTGTGGACTTTTTTGTGCGACTCTTCACCCAACTCAAGTTCGGAGTGGTACAGACATCGGT
GGAGGAGTGCAGCCAGAAAGGCTGCCTCGCTCTGTCTCTCCTTGAACTCCTGGGTTTTAACCTCACCTTT
GTCTTCCTGGCAAGCCTCCTTGTTCTCATTGAGCCGGTGGCAGCAGGTTCCGGGATACCCGAGGTCAAAT
GCTATCTGAATGGCGTAAAGGTGCCAGGAATCGTCCGTCTCCGGACCCTGCTCTGCAAGGTCCTTGGAGT
GCTGTTCAGTGTGGCTGGAGGGCTCTTCGTGGGGAAGGAAGGCCCCATGATCCACAGTGGTTCGGTGGTG
GGAGCTGGCCTCCCTCAGTTTCAGAGCATCTCCTTACGGAAGATCCAGTTTAACTTCCCCTATTTCCGAA
GCGACAGAGACAAGAGAGACTTTGTATCAGCAGGAGCGGCTGCTGGAGTTGCTGCAGCTTTCGGGGCGCC
AATCGGGGGTACCTTGTTCAGTCTAGAGGAGGGTTCGTCCTTCTGGAACCAAGGGCTCACGTGGAAAGTG
CTCTTTTGTTCCATGTCTGCCACCTTCACCCTCAACTTCTTCCGTTCTGGGATTCAGTTTGGAAGCTGGG
GTTCCTTCCAGCTCCCTGGATTGCTGAACTTTGGCGAGTTTAAGAGTCTTAGAGAGCCTCCTTGTGTCTC
TGGTAACCACCGTGGTGGTGTTTGTGGCCTCGATGGTGTTAGGAGAATGCCGACAGATGTCCTCTTCGAG
TCAAATCGG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

View online »

Protein Sequence:

>RC221261 representing NM_021736
Red=Cloning site Green=Tags(s)

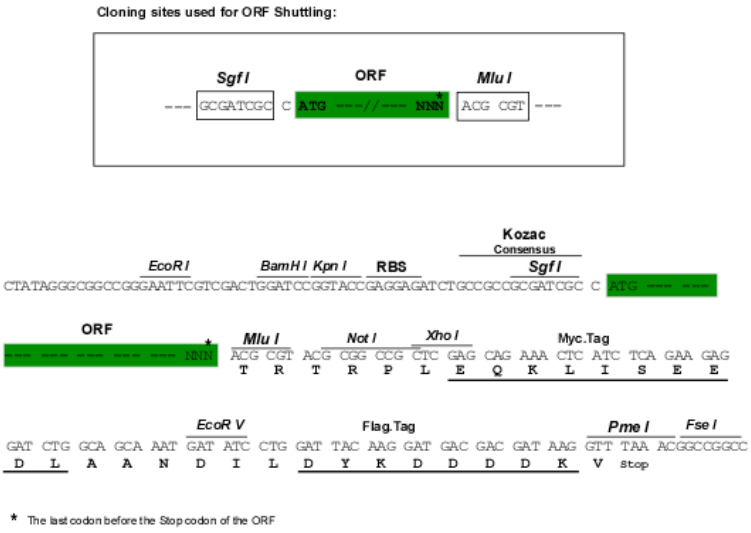
MAGCRGSLCCCCRWCCCCGERETRTPEELTILGETQEEEDEILPRKDYESLDYDRCINDPYLEVLETMDN
KKGRRYEAVKWMVVFAIGVCTGLVGLFVDFFVRLFTQLKFGVVQTSVEECSQKGCLALSLLELLGFNLTF
VFLASLLVLIEPVAAGSGIPEVKCYLNGVKVPGIVRLRTLLCKVLGVLFSVAGGLFVGKEGPMIHSGSVV
GAGLPQFQSISLRKIQFNFPYFRSDRDKRDFVSAGAAAGVAAAFGAPIGGTLFSLEEGSSFWNQGLTWKV
LFCSMSATFTLNFFRSGIQFGSWGSFQLPGLLNFGEFKSLREPPCVSGNHRGGVCGLDGVRRMPTDVLFE
SNR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8054_d10.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_021736

ORF Size: 1059 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:
1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: NM_021736.2, NP_068504.1

RefSeq Size: 3993 bp

RefSeq ORF: 1061 bp

Locus ID: 1185

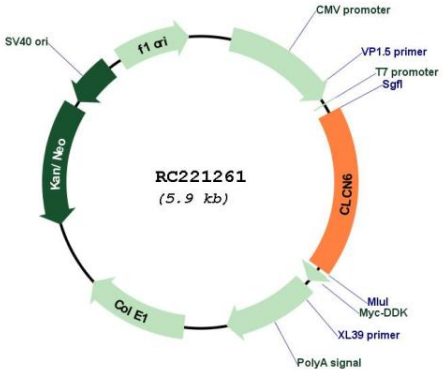
Cytogenetics: 1p36.22

Protein Families: Druggable Genome, Ion Channels: Other, Transmembrane

MW: 38.6 kDa

Gene Summary: This gene encodes a member of the voltage-dependent chloride channel protein family. Members of this family can function as either chloride channels or antiporters. This protein is primarily localized to late endosomes and functions as a chloride/proton antiporter. Alternate splicing results in both coding and non-coding variants. Additional alternately spliced variants have been described but their full-length structure is unknown. [provided by RefSeq, Mar 2012]

Product images:



Circular map for RC221261